Index of Claims

| Application No. | Applicant(s) |    |
|-----------------|--------------|----|
| 10/695,418      | BARTH ET AL. | Į. |
| Examiner        | Art Unit     | ,  |
| Pierre M. Vital | 2188         |    |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla           | aim       | Date     |                     |          |                         |          |               |         | Cla     | im  | Date  |          |                |         |   |  |                  | Cla                               | aim      | Date |       |             |          |                 |          |          |  |  |          |             |          |
|---------------|-----------|----------|---------------------|----------|-------------------------|----------|---------------|---------|---------|-----|-------|----------|----------------|---------|---|--|------------------|-----------------------------------|----------|------|-------|-------------|----------|-----------------|----------|----------|--|--|----------|-------------|----------|
|               | <u>70</u> | 4        |                     |          |                         |          |               |         |         |     |       | <u>—</u> |                |         |   |  |                  |                                   |          |      |       | <del></del> |          |                 |          |          |  | Π                                      |          |             |          |
| Final         | Original  | 9/16/04  |                     |          |                         |          |               |         |         |     | Final | Original | -              |         |   |  |                  |                                   |          |      | Final | Original    |          |                 |          |          |  |  |          |             |          |
| 证             | Ē         | 176      |                     | -        |                         |          |               |         |         | 1.7 | ίΞ    | ij       |                |         |   |  |                  | -                                 |          |      | iĒ,   | Öriç        |          |                 |          |          |  |  |          |             |          |
|               | <u> </u>  |          |                     |          | $\perp$                 |          |               |         |         |     |       |          |                |         |   |  |                  |                                   | L        |      |       |             |          |                 |          | <u> </u> | L.   |  |          |             |          |
|               | 1         | V        |                     |          |                         |          |               |         |         |     |       | 51       |                |         |   |  |                  |                                   |          |      |       | 101         |          |                 |          |          |  |  | П        |             |          |
|               | 2         |          |                     |          |                         |          |               |         |         |     |       | 52       |                |         |   |  |                  |                                   |          |      |       | 102         |          |                 |          |          |  |  |          |             |          |
|               | 3         |          |                     |          |                         |          |               |         |         |     |       | 53       |                |         |   |  |                  |                                   |          |      |       | 103         |          |                 |          |          |  | Π                                      |          |             |          |
|               | 4         |          |                     |          |                         |          |               |         |         |     |       | 54       |                |         |   |  |                  |                                   |          |      |       | 104         |          |                 |          |          |  | П                                      | П        |             |          |
|               | 5         |          |                     |          |                         |          |               |         |         |     |       | 55       |                |         |   |  |                  |                                   |          |      |       | 105         |          |                 |          |          |  | Π                                      | П        |             |          |
|               | 6         |          |                     |          |                         |          |               |         |         |     |       | 56       |                |         |   |  |                  |                                   |          |      |       | 106         |          |                 |          |          |  | П                                      |          |             |          |
|               | 7         |          |                     |          | Т                       |          |               |         |         |     | •     | 57       |                |         |   |  |                  |                                   |          |      |       | 107         |          |                 |          |          |  | Г                                      |          |             |          |
|               | 8         |          |                     |          |                         |          |               |         |         |     |       | 58       |                |         |   |  |                  |                                   |          |      |       | 108         |          |                 |          |          |  |  |          |             |          |
|               | 9         |          |                     |          |                         |          |               |         |         |     |       | 59       |                |         |   |  |                  |                                   |          |      |       | 109         |          |                 |          |          |  |  |          |             |          |
|               | 10        |          |                     |          |                         |          |               |         |         |     |       | 60       | T              |         |   |  |                  |                                   |          |      |       | 110         |          |                 |          |          |  |  | П        |             |          |
|               | 11        |          |                     |          | $\neg$                  | T        |               | $\top$  |         |     |       | 61       |                |         |   |  |                  |                                   |          |      |       | 111         |          |                 |          |          |  | -                                      | П        |             |          |
|               | 12        |          | П                   |          | $\neg$                  | $\top$   | $\top$        | $\top$  | T)      |     |       | 62       | $\neg$         |         | Т                                       |  | T                |                                   | П        |      |       | 112         | $\Box$   | _               |          |          |  |  | П        |             |          |
|               | 13        |          | $\Box$              | $\dashv$ | $\neg$                  |          | T             | $\top$  | 1       |     |       | 63       | 1              |         | 1                                       |  |                  |                                   | П        |      |       | 113         | H        | _               |          |          |  | 1                                      | Н        |             | $\Box$   |
|               | 14        |          | $\Box$              |          | _                       | $\neg$   | $\dashv$      | $\top$  |         |     |       | 64       | $\dashv$       |         |   |  | 1                |                                   | $\Box$   |      |       | 114         |          |                 |          | $\vdash$ | <u> </u>   |  |          | $\neg$      |          |
|               | 15        |          |                     | $\neg$   |                         |          | 7             | $\top$  |         |     |       | 65       |                |         | T                                       |  | 1                |                                   | П        |      |       | 115         | H        |                 |          |          |  | <b></b> -                              |          | -           | $\dashv$ |
|               | 16        | l        | $\Box$              | $\dashv$ | $\dashv$                | $\top$   | $\dashv$      | _       | 1       |     |       | 66       | $\dashv$       |         |   |  | $\dashv$         | 1                                 | П        |      |       | 116         | H        | _               |          | $\vdash$ | <del>                                     </del> | Т                                      | Н        |             | $\dashv$ |
|               | 17        |          |                     |          | 1                       | $\top$   | $\dashv$      | $\top$  |         |     |       | 67       |                |         |   |  | _                |                                   |          | l    |       | 117         |          |                 | _        |          |  |  |          |             | $\neg$   |
|               | 18        | _        |                     | +        | $\dashv$                | T        | $\top$        | $\top$  |         |     |       | 68       |                |         | 1                                       |  | +                | +-                                | H        |      |       | 118         |          | $\dashv$        |          |          | <del>  -  </del>                                 |  |          |             |          |
|               | 19        | $\vdash$ |                     | _        |                         | $\dashv$ | $\dashv$      | +       | +       |     |       | 69       |                |         |   |  | $\dashv$         | _                                 | -        |      |       | 119         | $\dashv$ | $\dashv$        |          |          | $\vdash$   | <b></b>                                | $\vdash$ | -           | $\dashv$ |
|               | 20        | -        |                     | -        | -                       | +        | $\dashv$      | +       | +       |     |       | 70       |                | +       |   | $\vdash$                               |                  | +                                 | H        |      |       | 120         | $\dashv$ | $\dashv$        | _        |          | -  | -                                      |          | $\dashv$    | $\dashv$ |
|               | 21        |          | $\vdash$            | $\dashv$ | $\dashv$                | +        | $\pm$         | +       |         |     |       | 71       |                | +       | +                                       | -                                      | +                | +                                 |          |      |       | 121         | -        | -               | -        |          |  |  |          | -           |          |
|               | 22        | -        | $\vdash$            | $\dashv$ | $\dashv$                | +        | +             | +       | +       |     |       | 72       | -              |         |   | $\vdash$                               | +                | -                                 | -        | ŀ    |       | 122         | $\dashv$ | $\dashv$        | -        |          | _  |  | $\vdash$ | 1           | $\dashv$ |
| <u> </u>      | 23        | $\vdash$ | $\vdash$            | $\dashv$ | $\dashv$                | +        | +             |         |         |     |       | 73       | _              |         | 1                                       | $\vdash$                               |                  |                                   | Н.       |      |       | 123         | $\dashv$ | $\dashv$        | -        |          | _  |  | $\vdash$ |             | 4        |
| <u> </u>      | 24        | -        | $\vdash$            | $\dashv$ | -                       |          |               |         | +-      |     |       | 74       |                | -       | 1                                       | $\vdash$                               |                  | +                                 | -        |      |       |             |          |                 |          |          | ļ  | $\vdash$                               | $\vdash$ |             | -1       |
|               | 25        |          | $\vdash$            | $\dashv$ | $\dashv$                | +        | +             | +       |         |     |       | 75       | <b>-</b>       |         | $\vdash$                                | $\vdash$                               | +                | -                                 | -        |      |       | 124         |          |                 |          |          |  |  | $\vdash$ |             | $\dashv$ |
|               |           | _        | $\vdash$            |          |                         | -        | +             | +       | +       |     |       |          | _              | -       | +                                       | $\vdash$                               | -                |                                   | _        |      |       | 125         |          |                 | _        |          |  |  |          | $\dashv$    |          |
| <u> </u>      | 26<br>27  |          | $\vdash$            | -+       | -                       | -        | +             | +       | +       |     |       | 76       |                | +       | <del> </del>                            | $\vdash$                               |                  |                                   | _        |      |       | 126         | $\Box$   |                 |          |          |  |  |          | _           |          |
|               |           |          | $\vdash$            |          |                         | $\dashv$ | +             | +       |         |     |       | 77       | -              | $\bot$  | <u> </u>                                | $\vdash$                               |                  | $\perp$                           |          |      |       | 127         | -        | _               | _        |          |  |  | $\vdash$ |             | _        |
|               | 28        |          | $\vdash$            | +        |                         |          | $\perp$       | +       | +       |     |       | 78       | -              |         | <b>—</b>                                | $\vdash$                               |                  |                                   |          |      |       | 128         |          | _               | _        |          | L  | ļ.,                                    |          |             |          |
|               | 29        | <u> </u> |                     | -        | $\dashv$                | +        | +             | +       | +       |     |       | 79       | _              | $\perp$ | $\perp$                                 |  | +                |                                   |          |      |       | 129         | _        | _               | _        |          |  | Н                                      | Ш        |             | _        |
|               | 30        |          | $\vdash \vdash$     | 4        | -                       |          |               | -       | _       |     |       | 80       | _              |         | $\vdash$                                | Ш                                      | _                |                                   | ;        |      |       | 130         | _        |                 |          |          |  |  |          | _           |          |
|               | 31        |          |                     |          |                         | -        | _             | _       | +       |     |       | 81       | +              |         |   | $\vdash \vdash$                        | _                |                                   |          |      |       | 131         | _        |                 |          |          |  |  |          | _           | _        |
| ļ             | 32        | <u> </u> | $\vdash \downarrow$ | -        | $\dashv$                | +        | 4             | +       | +-      |     |       | 82       | _              |         | $\vdash$                                | $\vdash \downarrow$                    | 4                | $\perp \!\!\! \perp \!\!\! \perp$ | _        |      |       | 132         |          | _               |          |          |  | Щ                                      |          | ]           |          |
| <u> </u>      | 33        | ļ        | $\sqcup$            | $\dashv$ | $\dashv$                | 4        | 4             | 4       | —       |     |       | 83       |                |         |   | $\sqcup$                               |                  | $\perp$                           | Ш        |      |       | 133         |          |                 |          |          |  | Щ                                      | Ш        |             |          |
|               | 34        | ļ        | $\sqcup$            | _        | $\dashv$                | +        | _             | _ _     |         |     |       | 84       | $\perp$        |         | $\vdash$                                | $\sqcup$                               |                  | 4                                 | $\Box$   |      |       | 134         |          | _               |          |          | L  | Щ                                      | Щ        | _           |          |
|               | 35        | _        | $\sqcup$            | _        | _                       | _        |               |         | _       |     |       | 85       | $\perp$        |         | Щ                                       | Ш                                      | _                | $\perp$                           | Щ        |      |       | 135         |          |                 |          |          |  | Ш                                      | Щ        |             |          |
|               | 36        |          | $\sqcup \downarrow$ | _        | _                       | _        | $\perp$       | $\perp$ | $\bot$  |     |       | 86       |                | 1       | Щ                                       | Ш                                      |                  |                                   |          |      |       | 136         |          | [               |          |          |  | Ш                                      | Ш        |             |          |
|               | 37        |          | Щ                   | $\perp$  | $\perp$                 | _        |               | $\perp$ |         |     |       | 87       |                |         | Ш                                       |  | $\bot$           |                                   | Ш        |      |       | 137         |          |                 |          |          |  |  | $\sqcup$ |             |          |
|               | 38        |          | Ш                   | $\perp$  | $\perp$                 | $\perp$  | $\perp$       | $\perp$ |         |     |       | 88       |                |         | Ш                                       |  |                  | ]                                 |          |      |       | 138         |          |                 |          |          |  |  | Ш        |             |          |
|               | 39        | <u> </u> |                     |          |                         |          |               |         |         |     |       | 89       |                |         | Ш                                       | Ш                                      | $oxed{oxed}$     |                                   |          |      |       | 139         |          |                 |          |          |  |  |          |             |          |
|               | 40        |          |                     |          |                         |          |               |         |         |     | ]     | 90       |                |         |   |  | $_{\perp}\Gamma$ |                                   |          |      |       | 140         |          | $\neg$          |          |          |  |  |          | _]          |          |
|               | 41        |          |                     |          |                         |          |               | $\prod$ |         |     | ]     | 91       | $\perp \Gamma$ |         |   |  |                  |                                   |          |      |       | 141         |          |                 |          |          |  |  |          | 1           |          |
|               | 42        |          |                     | $\Box$   | $oldsymbol{\mathbb{I}}$ | $\Box$   | $\Box \Gamma$ | $\prod$ |         |     |       | 92       |                | $\Box$  | $\Box$                                  |  | T                |                                   |          |      |       | 142         |          | $\neg \uparrow$ | $\neg$   |          |  |  |          |             |          |
|               | 43        |          |                     | T        |                         |          |               |         | $I^{T}$ |     |       | 93       |                |         |   |  |                  |                                   |          |      |       | 143         |          | 寸               |          |          |  |  |          |             |          |
|               | 44        |          |                     |          |                         | $\top$   |               |         |         |     |       | 94       |                |         |   |  |                  |                                   |          | I    |       | 144         |          | $\dashv$        |          |          |  |  |          |             |          |
|               | 45        |          |                     |          |                         |          |               | $\top$  | T       |     |       | 95       |                | $\top$  | П                                       | $\Box$                                 | $\top$           | 77                                | $\neg$   | -    |       | 145         |          | _               | $\dashv$ |          |  |  |          | $\neg$      |          |
|               | 46        |          | $\Box$              | $\neg$   | _                       | $\neg$   | T             | T       |         |     |       | 96       | 十              | $\top$  | П                                       |  | +                | $\top$                            |          |      |       | 146         | $\dashv$ |                 |          |          |  |  |          | _           | $\neg$   |
|               | 47        |          | H                   | 1        | 十                       | $\top$   | _             | $\top$  |         |     |       | 97       | -              | $\top$  | $\sqcap$                                | $\vdash$                               | $\dashv$         | 11                                | $\dashv$ | ŀ    |       | 147         | $\dashv$ | $\dashv$        |          |          |  | М                                      |          | $\neg \neg$ | _        |
|               | 48        |          | $\dashv$            | _        | _                       | $\dashv$ | +             | +       | +       |     | İ     | 98       | -              | +       | H                                       | $\vdash$                               | $\dashv$         | +-                                |          | ŀ    |       | 148         | -        | $\dashv$        | $\dashv$ | _        |  |  | -        | $\neg$      | $\neg$   |
|               | 49        |          | $\Box \dagger$      | $\dashv$ | $\dashv$                | $\dashv$ | +             | +       | $\top$  |     |       | 99       | +              | +       | $\vdash$                                |  | +                | +                                 |          | -    |       | 149         | -+       | -               | $\dashv$ |          | $\vdash$   | $\vdash \dashv$                        |          |             | $\dashv$ |
| $\overline{}$ | 50        |          | $\vdash$            |          | $\dashv$                | $\dashv$ | +             | +       |         |     |       | 100      |                | +       | Н                                       | $\vdash$                               | -                | +                                 | -        | ł    |       | 150         | $\dashv$ | $\dashv$        |          |          |  | $\vdash$                               |          | $\dashv$    | $\dashv$ |
|               |           |          |                     |          |                         |          | L             | ㅗ       |         | 51# |       |          |                |         | لــــــــــــــــــــــــــــــــــــــ | ــــــــــــــــــــــــــــــــــــــ |                  |                                   |          | - L  |       | 150         |          | 1               |          |          |  | اـــــــــــــــــــــــــــــــــــــ |          |             |          |